

ABSTRACT

A liquid crystal display and a fabricating method thereof that are capable of realizing a high aperture ratio as well as implementing a high-density storage capacitor.

- 5 The liquid crystal display is provided with a data line supplied with a data signal, a gate line supplied with a scanning signal, a pixel electrode for driving a liquid crystal cell, and a thin film transistor for applying the data signal to the pixel electrode in response to the scanning signal. In the liquid crystal display, a gate insulating film covers the gate line. A storage electrode is formed at the interior of the gate insulating film to
- 10 overlap with the gate line. Accordingly, the storage electrode is formed within the gate insulating film to reduce a thickness between the conductive materials, thereby increasing a capacitance value. As a result, the storage capacitor area is set to a small size to thereby improve an aperture ratio.